

## IDL Numeracy Introduction

IDL Numeracy is an intervention that helps to improve ability for low-attaining learners in mathematics. It includes a fully graded course to support the National Curriculum for numeracy at KS1 and KS2. In order to be inclusive, the lessons in IDL are designed to reduce the stress those with dyscalculia would ordinarily feel when faced with mathematical problems.

After a few hours using IDL, learners will find a familiarity with the lessons and because the lesson mechanics remain the same, they gain the confidence they need to tackle problems, even those they have never encountered before.

As a teacher you will be able to quickly identify those areas your Pupils' struggle with the most and map their progress against the levels expected for their age group.

Research suggests that those with Dyscalculia are more likely to suffer from the following symptoms:

- Below average understanding of basic counting principles
- Inability to use counting strategies for addition
- Difficulty in memorising arithmetic facts
- Lack of number sense
- Reduced automatic processing of numbers



IDL Numeracy is designed to help teach those with dyscalculia along with all those low-attaining learners. It includes a fully graded course to support the National Curriculum for numeracy at KS1 and KS2.

Because every aspect of the curriculum is included, the lessons cover a vast array of topics including size, 2D and 3D shapes, weights, measures, spatial awareness, time and money.

Each lesson in IDL is made up of one of the following mathematical principles:



- Bonds
- Counting
- Sequencing
- Shapes and Patterns (including subitising)
- Number value
- Place value
- Arithmetic

By proportioning each lesson into one or more of these principles IDL provides a unique way to monitor independent pupil progress. Along with being able to track progress against National Curriculum levels, you will be able to identify and pinpoint their mathematical strengths and weaknesses. This will allow facilitators to concentrate on, and improve those areas of weakness.

Of course, IDL Numeracy will also include all those features that have made IDL Literacy so popular with our customers:

- Multisensory lessons
- Progress monitoring
- Easy to use for both pupils and teachers
- Independent learning
- Available anywhere



Your pupils will find IDL Numeracy lessons fun to do. Although the program includes a vast array of differing lessons, each will be immediately identifiable as an IDL lesson. The principle will always be the same; mathematical puzzles are presented in a fun and easy way. Each puzzle comes complete with in build auditory instructions, along with buttons to help with the solution or simplify the puzzle. Each puzzle is solved by moving items around the screen or by clicking on the right items.

## A typical lesson

In a lesson, your pupils can expect to solve puzzles by selecting items or moving them around the screen. All lesson puzzles are solved in this way. On an iPad or touch screen device they can do this with a finger.

Below you can see the layout of a typical lesson along with a brief description of all the buttons.



Exit the lesson before solving the puzzle



Repeat the lesson instructions - both written and spoken



Reset all the lesson items to their original positions



Show me the first move - this will cost a star



Simplify the puzzle - this will cost a star



Give me a hint about my wrong moves - this will cost a star